

S/N 10/615,202



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jiang Ding et al. Examiner: George R. Evanisko  
Serial No.: 10/615,202 Group Art Unit: 3762  
Filed: July 07, 2003 Docket: 279.090US7  
Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

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**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

09/02/2004 SS1TM181 000000048 10615202

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**Page 2**

Dkt: 279.090US7

The present application is a U.S. national patent application filed after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JIANG DING ET AL.

By their Representatives,

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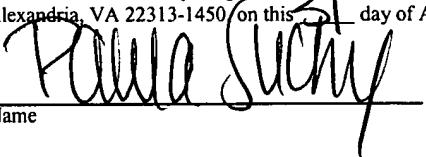
Date

Aug 31, 2004

By

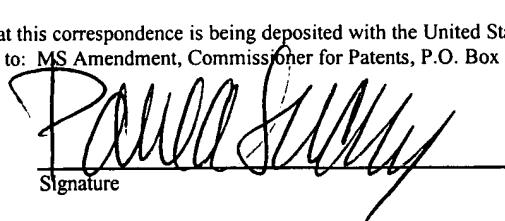
  
Timothy E. Bianchi  
Reg. No. 39,610

Name

  
Paula Slichty

Signature

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 31 day of August, 2004.

  
Paula Slichty

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Sheet 1 of 2

Complete if Known

<b>Application Number</b>	10/615,202
<b>Filing Date</b>	July 7, 2003
<b>First Named Inventor</b>	Ding, Jiang
<b>Group Art Unit</b>	3762
<b>Examiner Name</b>	Evanisko, George

Attorney Docket No: 279.090US7

**US PATENT DOCUMENTS**

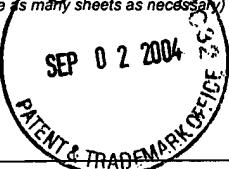
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2001/0047194 A1	11/29/2001	Thompson, D. L., et al.	607	59	04/04/2001
	US-2002/0123769 A1	09/05/2002	Panken, E. J., et al.	607	9	12/14/2000
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	US-4,401,119	08/30/1983	Herpers, L.	607	9	02/17/1981
	US-4,432,362	02/21/1984	Leckrone, M. E., et al.	607	9	03/08/1982
	US-5,372,607	12/13/1994	Stone, K. A., et al.	607	30	06/23/1993
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	US-6,351,673	02/26/2002	Ding, J. , et al.	607	24	09/14/2000
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**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Complete if Known					
		<b>Application Number</b> 10/615,202 <b>Filing Date</b> July 7, 2003 <b>First Named Inventor</b> Ding, Jiang <b>Group Art Unit</b> 3762 <b>Examiner Name</b> Evanisko, George					
		Sheet 2 of 2					
		Attorney Docket No: 279.090US7					

	US-6,512,952	01/28/2003	Stahmann, Jeffrey E., et al.	607	9	12/26/2000
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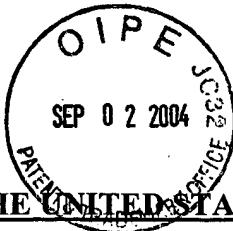
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	EP-0970721A2	01/12/2000	Stone, K. A., et al.	A61N	1/37	

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DING, J. , et al., "Method and Apparatus for Setting Pacing Parameters in Cardiac Resynchronization Therapy", Application Serial No. 10/352,780, filed January 28, 2003 Attorney Docket No. 279.457US1, 34 pages	
		KRAMER, ANDREW P., et al., "Automatic Selection From Multiple Cardiac Optimization Protocols", Application Serial No. 10/624,458, filed July 21, 2003 Attorney Docket No. 279.340US3, 49 pages	
		RITTER, P. , et al., "A Built-In System Based on the Peak Endocardial Acceleration (PEA) for AV-Delay Optimization in DDDR Pacing", Pace -- Pacing and Clinical Electrophysiology, No. 5, Futura Publishing Company, Inc.,(May 1997),1567	

**EXAMINER****DATE CONSIDERED**



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PATENT

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Examiner: George R. Evanisko

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Group Art Unit: 3762

Filed: July 7, 2003

Docket: 279.090US7

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR  
DELAYS

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COMMUNICATION CONCERNING RELATED APPLICATIONS

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/075278 6144880	May 8, 1998	279.090US1	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
09/492911 6360127	January 20, 2000	279.090US2	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
09/661608 6351673	September 14, 2000	279.090US3	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
10/008830 6542775	December 7, 2001	279.090US4	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
10/206131 2004/0019365 A1	July 26, 2002	279.423US1	AN IMPLANTABLE CARDIAC FUNCTION AND RHYTHM MANAGEMENT SYSTEM THAT OPTIMIZES CARDIAC PUMPING PERFORMANCE WHILE MAINTAINING PROPER HEART RATE

**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 10/615,202

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

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Dkt: 279.090US7

09/995255 6597951	November 27, 2001	279.340US2	AUTOMATIC SELECTION FROM MULTIPLE CARDIAC OPTIMIZATION PROTOCOLS
10/352780	January 28, 2003	279.457US1	METHOD AND APPARATUS FOR SETTING PACING PARAMETERS IN CARDIAC RESYNCHRONIZATION THERAPY
10/314910 2003/0144703 A1	December 9, 2002	279.558US1	METHOD AND APPARATUS FOR OPTIMIZING VENTRICULAR SYNCHRONY DURING DDD RESYNCHRONIZATION THERAPY USING ADJUSTABLE ATRIO- VENTRICULAR DELAYS
10/314899 2003/0144702 A1	December 9, 2002	279.559US1	METHOD AND APPARATUS FOR OPTIMIZING STROKE VOLUME DURING DDD RESYNCHRONIZATION THERAPY USING ADJUSTABLE ATRIO- VENTRICULAR DELAYS
10/243811 6684103	September 13, 2002	279.090US5	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
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**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 10/615,202

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

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10/624458

July 21,  
2003

279.340US3

AUTOMATIC SELECTION FROM  
MULTIPLE CARDIAC OPTIMIZATION  
PROTOCOLS

Respectfully submitted,

JIANG DING ET AL.

By Applicants' Representatives,

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Date

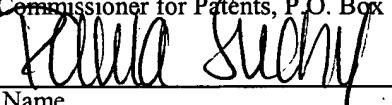
Aug 31, 2004

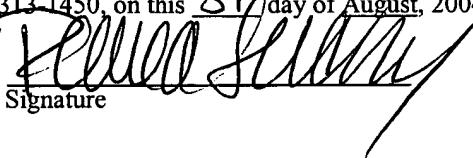
By

  
Timothy E. Bianchi  
Reg. No. 39,610

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31 day of August, 2004.

  
Name

  
Signature